

C L A I M S

1. A sporting gear such as a roller skate or  
2 an inline skate, wherein not less than at least two  
3 shafts are provided to one of a shoe, a plate to which  
4 said shoe is to attach, and a frame which supports a  
5 wheel, one of said shoe and said plate connects to said  
6 frame through said shafts, and one of said shoe and said  
7 plate is made movable like a pendulum with respect to  
8 said frame about each one of said shafts as a fulcrum,  
9 to enable braking by performing either one of lowering  
10 and raising a heel.

2. A sporting gear according to claim 1,  
2 wherein said wheel comprises a one-way rotary mechanism  
3 which rotates in only one direction.

3. A sporting gear according to claim 1,  
2 comprising a groove and a projection which guide  
3 movement of one of said shoe and said plate.

4. A sporting gear according to claim 1,  
2 wherein a hinge-like movable plate is added to one  
3 shaft.

5. A sporting gear according to claim 1,  
2 comprising a spring which operates to restore one of  
3 said shoe and said plate to a skating position.

6. A sporting gear according to claim 1,  
2 wherein two, front and rear sets of metal members  
3 attaching to said frame through one shaft are provided,  
4 one end of each of said metal members links to said

5 shafts movably to transmit motion of one of said metal  
6 members about said shafts as a fulcrum to a remaining  
7 one of said metal members so that said remaining one of  
8 said metal members is interlocked to also move about a  
9 corresponding one of said shafts as a fulcrum, the other  
10 end of each of said metal members connects to a  
11 corresponding one of a front brake and a rear brake, and  
12 when the heel is raised or lowered to push or pull  
13 either one of said metal members, or two of said metal  
14 members using one of a toe and the heel, said two sets  
15 of metal members are interlocked to brake said front  
16 wheel and said rear wheel simultaneously.

7. A sporting gear according to claim 6,  
2 wherein said link mechanism which interlocks said front  
3 brake and said rear brake incorporates not less than one  
4 spring which adjusts balance of tension of said front  
5 brake and said rear brake.

8. A sporting gear according to claim 6,  
2 wherein said link mechanism comprises a mechanism in  
3 which one of said shoe and said plate to which said shoe  
4 is to attach connects to said frame through one shaft,  
5 and links to part of said link mechanism, at a position  
6 closer to a toe than said shaft, to be interlocked  
7 thereto, and when the heel is lowered about said shaft  
8 as a fulcrum, a connecting portion pulls said part of  
9 said link mechanism upward and the heel pushes part of  
10 said link mechanism downward, to be able to brake said

11 front wheel and said rear wheel simultaneously.

9. A sporting gear according to claim 1,  
2 comprising a mechanism in which brakes that act on said  
3 front wheel and said rear wheel link to each other  
4 through one of a belt, a chain, and a wire, and when the  
5 heel is raised or lowered, one of said belt, said chain,  
6 or said wire is pulled or pushed to interlock said front  
7 brake and said rear brake, to be able to brake said  
8 front wheel and said rear wheel simultaneously.

10. A sporting gear according to claim 9,  
2 wherein said brake mechanism that employs one of said  
3 belt, said chain, and said wire comprises a mechanism in  
4 which one of said shoe and said plate to which said shoe  
5 is to attach connects to said frame through one shaft,  
6 and links to part of one of said belt, said chain, and  
7 said wire at a position closer to a toe than said one  
8 shaft, to be interlocked thereto, and when the heel is  
9 lowered about said one shaft as a fulcrum, a connecting  
10 portion pulls one of said belt, said chain, and said  
11 wire upward and the heel pushes one of said belt, said  
12 chain, and said wire downward, to be able to brake said  
13 front wheel and said rear wheel simultaneously.